

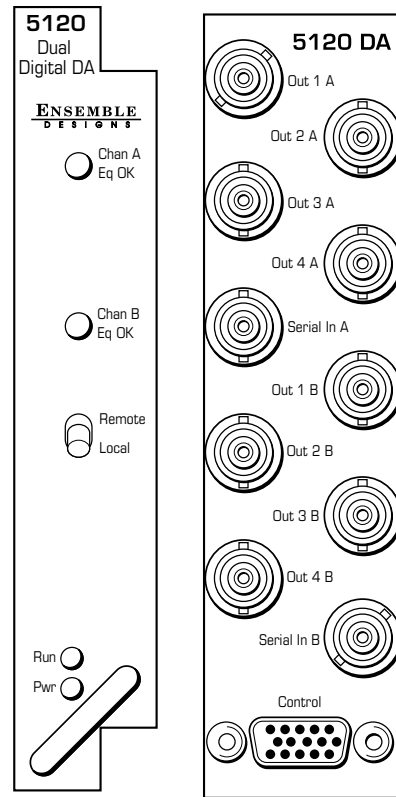
Dual Digital Video Distribution Amplifiers

The 5120 Dual Serial DA Module is a two channel digital video distribution amplifier with four outputs per channel. The 5125 is a Reclocking Dual Serial DA Module. Both modules offer cost-effective distribution as each does double duty.

The 5120 is a nonprocessing DA with cable equalization and signal detection. It accepts SD SDI, DVB-ASI and SMPTE 310M signals.

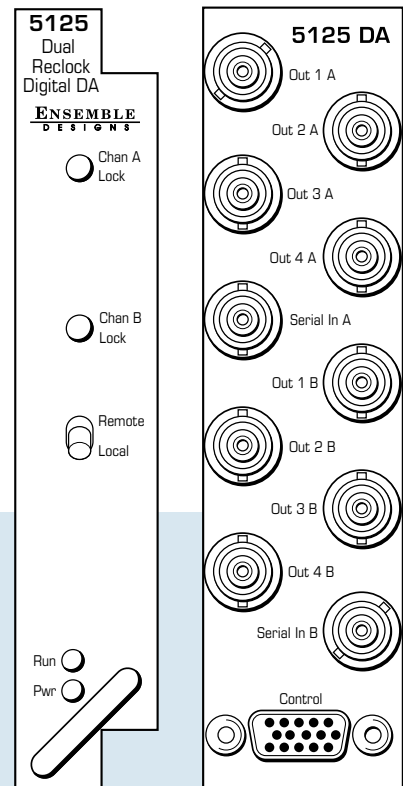
The 5125 handles SD SDI signals and includes reclocking of the serial data stream, thereby improving jitter performance of the outputs where the input has jitter.

Both the 5120 and 5125 can be used to distribute any of the following data rates: 143 Mb/s, 177 Mb/s, 270 Mb/s, and 360 Mb/s. Both DA modules can be controlled through an Avenue Control Panel and through Avenue PC.



Features

- » Two channels of distribution per module
- » Two independent sets of four outputs
- » Use 5120 with SD SDI, ASI and 310M signals
- » Use 5125 with SD SDI signals
- » EQ warning circuit
- » User definable alarms
- » 5125 provides reclocking and jitter reduction
- » Local and remote control of module settings
- » Supports 143, 177, 270 and 360 Mb/s
- » Passes embedded audio
- » 6 DAs in a 1RU Avenue frame
- » 20 DAs in a 3RU Avenue frame



Serial Input

Number	Two
Signal Type	Serial Digital SMPTE 259M 5120 only - also DVB-ASI and SMPTE 310M
Impedance	75 Ω
Return Loss	>15 dB
Max Cable Length	300 meters Belden 1694A 200 meters
143, 177, 270 Mb/s	
360 Mb/s	

General Specifications

Power Consumption	<4.0 watts
Temperature Range	0 to 40°C ambient (all specs met)
Relative Humidity	0 to 95%, noncondensing
Altitude	0 to 10,000 ft
Fusing	1.5 Amp PTC resettable fuse

Output Signal

Number	Four per channel
Impedance	75 Ω
Return Loss	>15 dB
Output DC	None (AC coupled)

